

Focus Area 24: Respiratory Diseases

Objective 24-2b calls for reduction in the hospitalization rate for asthma to 8.0 per 10,000 population aged 5 to 64 years.

Hospital discharge data for 2000 indicates a total of 22,615 discharges among California residents aged 5-64 years with a principal diagnosis of asthma; 21,160 discharges were reported in 2001; 21,433 discharges in 2002; and 22,850 discharges in 2003 (Figure 24-2b, Table 24-2b). These translate to age-adjusted rates of 8.2 hospitalizations per 10,000 population aged 5-64 in 2000; 7.5 per 10,000 in 2001; 7.4 per 10,000 in 2002; and 7.8 per 10,000 in 2003. Asthma hospitalizations among this age group are below the target set in the HP2010 objective.

The age-adjusted asthma hospitalization rates for females aged 5-64 (9.8 per 10,000 in 2003) were nearly twice as high as the rates for males aged 5-64 (5.8 per 10,000 in 2003). This HP2010 objective is being met for males, but not for females aged 5-64 years.

The highest age-adjusted asthma hospitalization rates among persons aged 5-64 were found for African Americans/Blacks (25.9 per 10,000 in 2003). Their rates were more than 3 times greater than the HP2010 target, and significantly higher than those for all other racial and ethnic populations. The HP2010 target was being met for all other racial and ethnic populations aged 5-64 years: Whites (7.4 per 10,000 in 2003), Hispanics/Latinos (6.1 per 10,000 in 2003), Asians/Pacific Islanders (3.3 per 10,000 in 2003), and American Indians/Alaska Natives (1.9 per 10,000 in 2003).

For more information on asthma, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/asthma>

For more information on Healthy People 2010 objective 24-2b, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#Toc489704825>

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

Figure 24-2b
Asthma Hospitalization Rates
Persons Aged 5-64
California, 2000-2003

Healthy People 2010 objective = 8.0

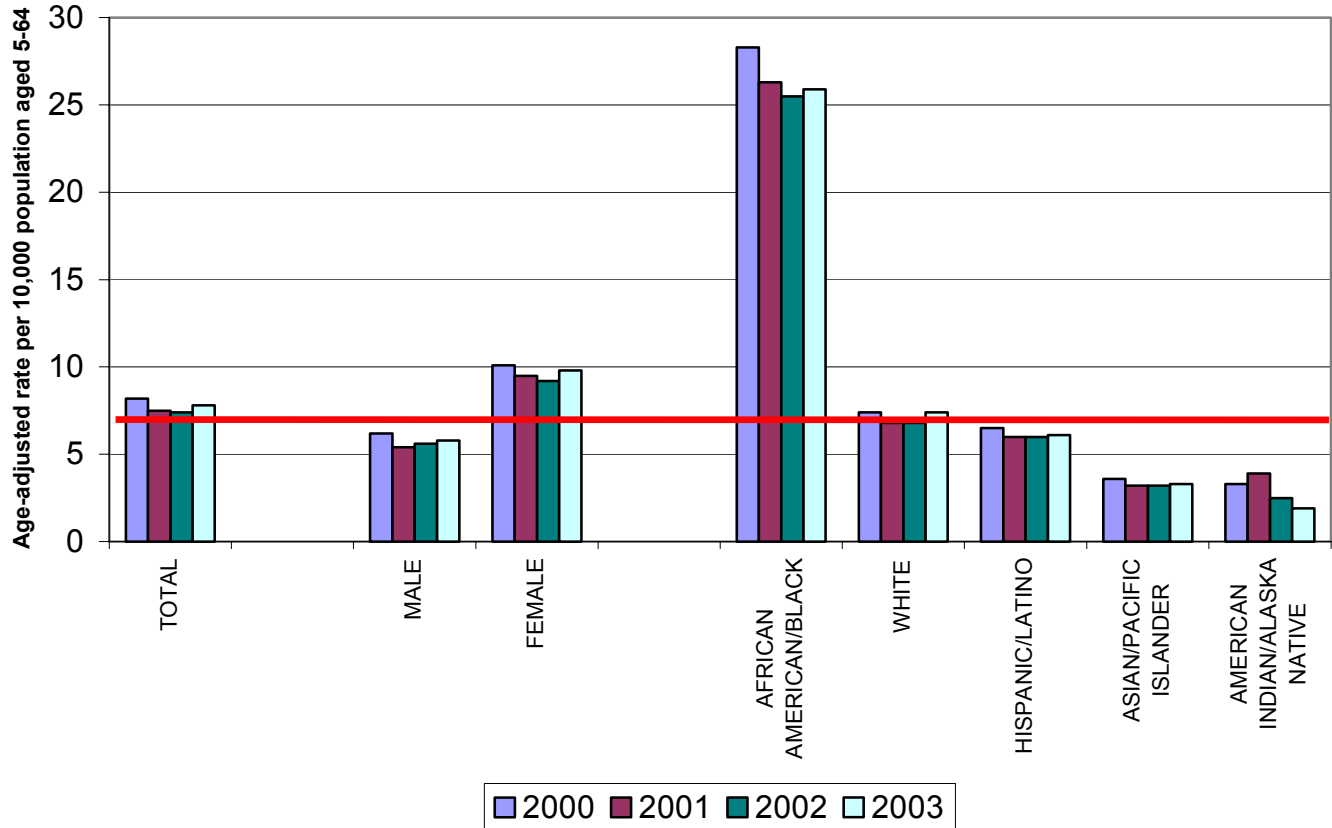


Table 24-2b
Asthma Hospitalization Rates
Among Persons Aged 5-64 Years
California, 2000-2003

Asthma Hospitalizations Ages 5-64*		2000			2001			
	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Objective 24-2b		8.0				8.0		
CALIFORNIA TOTAL	22,615	8.2	8.1	8.3	21,160	7.5	7.4	7.6
Race-Ethnicity								
American Indian/Alaska Native	55	3.3	2.4	4.2	73	3.9	3.0	4.8
Asian/Pacific Islander	1,133	3.6	3.4	3.8	1,056	3.2	3.0	3.4
Black/African American	5,349	28.3	27.5	29.0	5,029	26.3	25.5	27.0
Hispanic/Latino	5,733	6.5	6.3	6.7	5,468	6.0	5.9	6.2
White	9,399	7.4	7.3	7.6	8,759	6.8	6.7	7.0
Gender								
Female	13,847	10.1	10.0	10.3	13,309	9.5	9.4	9.7
Male	8,768	6.2	6.0	6.3	7,851	5.4	5.3	5.6

Asthma Hospitalizations Ages 5-64*		2002			2003			
	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Objective 24-2b		8.0				8.0		
CALIFORNIA TOTAL	21,433	7.4	7.3	7.5	22,850	7.8	7.7	7.9
Race-Ethnicity								
American Indian/Alaska Native	52	2.5	1.8	3.2	43	1.9	1.4	2.5
Asian/Pacific Islander	1,075	3.2	3.0	3.4	1,079	3.3	3.1	3.4
Black/African American	5,026	25.5	24.8	26.2	5,242	25.9	25.2	26.6
Hispanic/Latino	5,706	6.0	5.8	6.2	6,038	6.1	6.0	6.3
White	8,722	6.8	6.6	6.9	9,642	7.4	7.3	7.6
Gender								
Female	13,153	9.2	9.1	9.4	14,193	9.8	9.6	9.9
Male	8,280	5.6	5.5	5.8	8,656	5.8	5.7	5.9

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2003;
CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California
and Its Counties 2000-2050, May 2004.

NOTES: * ICD-9-CM code 493 in the Principal Diagnosis field of the discharge record.

¹ Age-adjusted rate per 10,000 population aged 5-64 years.